



## Performance Data Sheet

**VSC5532ENA**

### General Information

<b>Model</b>	VSC5532ENA	<b>Refrigerant</b>	R-22
<b>Test Condition</b>	ARI	<b>Performance Test Voltage</b>	230V ~ 60HZ
<b>Return Gas</b>	18.3°C (65°F) RETURN GAS	<b>Motor Type</b>	PSC

### Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
<b>-15</b>	Btu/h	12300	11700					
	Watts	1570	1820					
	Amps	7.63	8.19					
	Lb/h	159	156					
<b>-10</b>	Btu/h	13200	12500	11600				
	Watts	1570	1810	2110				
	Amps	7.75	8.28	9.08				
	Lb/h	170	167	161				
<b>-5</b>	Btu/h	14500	13700	12800	11700			
	Watts	1570	1800	2080	2440			
	Amps	7.85	8.35	9.12	10.2			
	Lb/h	184	182	177	168			
<b>0</b>	Btu/h	16000	15200	14300	13200	11700		
	Watts	1570	1790	2060	2390	2810		
	Amps	7.93	8.40	9.16	10.2	11.5		
	Lb/h	202	200	196	188	176		
<b>5</b>	Btu/h	17800	17000	16000	14900	13500		
	Watts	1570	1780	2040	2360	2750		
	Amps	7.99	8.45	9.18	10.2	11.5		
	Lb/h	224	222	218	212	201		
<b>10</b>	Btu/h	20000	19000	18000	16900	15400	13700	11500
	Watts	1570	1780	2030	2330	2700	3160	3720
	Amps	8.04	8.48	9.20	10.2	11.5	13.1	15.0
	Lb/h	249	247	244	238	228	213	191
<b>15</b>	Btu/h	22400	21300	20200	19000	17600	15900	13800
	Watts	1560	1770	2020	2310	2660	3090	3620
	Amps	8.07	8.51	9.21	10.2	11.5	13.0	14.9
	Lb/h	278	275	272	266	258	245	225
<b>20</b>	Btu/h	25000	23900	22700	21400	20000	18300	16200
	Watts	1550	1770	2010	2290	2630	3040	3540
	Amps	8.09	8.52	9.21	10.2	11.4	13.0	14.9
	Lb/h	309	306	302	298	290	278	261

25	Btu/h	28000	26600	25400	24000	22500	20800	18700
	Watts	1530	1750	2000	2280	2600	3000	3480
	Amps	8.10	8.52	9.21	10.2	11.4	13.0	14.8
	Lb/h	343	339	336	331	325	314	299
30	Btu/h	31200	29700	28200	26800	25200	23500	21400
	Watts	1500	1740	1990	2260	2580	2970	3420
	Amps	8.09	8.52	9.21	10.2	11.4	13.0	14.8
	Lb/h	380	375	371	367	361	352	338
35	Btu/h	34600	32900	31300	29700	28100	26300	24200
	Watts	1460	1720	1980	2250	2570	2940	3380
	Amps	8.08	8.52	9.21	10.2	11.4	12.9	14.8
	Lb/h	420	413	409	405	399	391	379
40	Btu/h	38200	36300	34600	32900	31100	29200	27100
	Watts	1420	1690	1960	2240	2560	2920	3350
	Amps	8.06	8.51	9.20	10.2	11.4	12.9	14.8
	Lb/h	462	454	449	444	439	432	422
45	Btu/h	42100	40000	38000	36100	34300	32300	30100
	Watts	1360	1650	1940	2230	2550	2910	3330
	Amps	8.03	8.49	9.20	10.2	11.4	13.0	14.8
	Lb/h	506	497	490	486	481	474	465
50	Btu/h	46100	43800	41600	39600	37600	35500	33200
	Watts	1290	1610	1910	2220	2540	2900	3310
	Amps	8.00	8.47	9.20	10.2	11.4	13.0	14.8
	Lb/h	552	541	534	528	524	518	510
55	Btu/h	50400	47800	45400	43100	40900	38700	36400
	Watts	1200	1550	1880	2200	2530	2900	3310
	Amps	7.96	8.46	9.20	10.2	11.5	13.0	14.9
	Lb/h	600	587	579	573	568	562	555

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.917798E+04	-5.377318E+02	1.248577E+01	3.212589E+02
C2	6.852803E+02	-3.413687E+01	2.796002E-02	7.938767E+00
C3	-3.566479E+02	5.071842E+01	-1.358037E-01	-4.365063E+00
C4	9.198341E+00	-5.821956E-01	-9.501957E-04	9.752071E-02
C5	-7.127453E+00	9.412672E-01	2.457151E-05	-9.262862E-02
C6	3.678220E+00	-5.345944E-01	8.241876E-04	5.547089E-02
C7	-1.466860E-02	-1.772176E-03	1.584258E-06	-2.183483E-04
C8	-3.940605E-02	6.937566E-03	7.716395E-06	-3.408166E-04
C9	3.472752E-02	-6.408463E-03	-2.463705E-06	5.451224E-04
C10	-1.599414E-02	2.870520E-03	2.009828E-06	-2.433267E-04

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature